

IN THE CLAIMS:

Please cancel claims 19 through 53 without prejudice or disclaimer to the filing of one or more divisional or continuing applications directed to the subject matter thereof.

No claims have been amended herein. Please note that all claims currently pending and under consideration in the referenced application are shown below. Please enter these claims as amended. This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Original) A reactive composition, comprising:
a metal material defining a continuous phase and having an energetic material comprising at least one oxidizer, at least one class 1.1 explosive, or mixtures thereof dispersed therein.
2. (Original) The reactive composition of claim 1, wherein the metal material comprises a fusible metal alloy having a melting point ranging from approximately 46°C to approximately 250°C.
3. (Original) The reactive composition of claim 2, wherein the fusible metal alloy comprises at least one metal selected from the group consisting of bismuth, lead, tin, cadmium, indium, mercury, antimony, copper, gold, silver, and zinc.
4. (Original) The reactive composition of claim 1, wherein the metal material comprises a fusible metal alloy having a melting point ranging from approximately 75°C to approximately 105°C.
5. (Original) The reactive composition of claim 1, wherein the metal material has a density greater than approximately 7 g/cm³.
6. (Original) The reactive composition of claim 1, wherein the metal material

comprises a fusible metal alloy having 50% bismuth, 25% lead, 12.5% tin, and 12.5% cadmium.

7. (Original) The reactive composition of claim 1, wherein the metal material comprises a fusible metal alloy having 57% bismuth, 26% indium, and 17% tin.

8. (Original) The reactive composition of claim 1, wherein the at least one oxidizer is selected from the group consisting of ammonium perchlorate, potassium perchlorate, sodium nitrate, potassium nitrate, ammonium nitrate, lithium nitrate, rubidium nitrate, cesium nitrate, lithium perchlorate, sodium perchlorate, rubidium perchlorate, cesium perchlorate, magnesium perchlorate, calcium perchlorate, strontium perchlorate, barium perchlorate, barium peroxide, strontium peroxide, copper oxide, sulfur, and mixtures thereof.

9. (Original) The reactive composition of claim 1, wherein the at least one class 1.1 explosive is selected from the group consisting of trinitrotoluene, cyclo-1,3,5-trimethylene-2,4,6-trinitramine, cyclotetramethylene tetranitramine, hexanitrohexaazaisowurtzitane, 4,10-dinitro-2,6,8,12-tetraoxa-4,10-diazatetracyclo-[5.5.0.0^{5,9}.0^{3,11}]-dodecane, 1,3,3-trinitroazetidine, ammonium dinitramide, 2,4,6-trinitro-1,3,5-benzenetriamine, dinitrotoluene, and mixtures thereof.

10. (Original) The reactive composition of claim 1, wherein the energetic material is in a dispersed particulate phase.

11. (Original) The reactive composition of claim 1, further comprising a polymer/plasticizer system.

12. (Original) The reactive composition of claim 11, wherein the reactive composition comprises a substantially homogenous mixture of the metal material and the energetic material.

13. (Original) The reactive composition of claim 11, wherein the polymer/plasticizer system comprises at least one polymer selected from the group consisting of polyglycidyl nitrate, nitratomethylmethyloxetane, polyglycidyl azide, diethyleneglycol triethyleneglycol nitraminodiacetic acid terpolymer, poly(bis(azidomethyl)oxetane), poly(azidomethylmethyl-oxetane), poly(nitraminomethyl methyloxetane), poly(bis(difluoroaminomethyl)oxetane), poly(difluoroaminomethylmethyloxetane), copolymers thereof, cellulose acetate butyrate, nitrocellulose, nylon, polyester, fluoropolymers, energetic oxetanes, waxes, and mixtures thereof.

14. (Original) The reactive composition of claim 11, wherein the polymer/plasticizer system comprises at least one plasticizer selected from the group consisting of bis(2,2-dinitropropyl) acetal/bis(2,2-dinitropropyl)formal, dioctyl sebacate, dimethylphthalate, dioctyladipate, glycidyl azide polymer, diethyleneglycol dinitrate, butanetrioltrinitrate, butyl-2-nitratoethyl-nitramine, trimethylolethanetrinitrate, triethylene glycoldinitrate, nitroglycerine, isodecylperlargonate, dioctylphthalate, dioctylmaleate, dibutylphthalate, di-n-propyl adipate, diethylphthalate, dipropylphthalate, citroflex, diethyl sebacate, diethyl pimelate, and mixtures thereof.

15. (Original) The reactive composition of claim 1, wherein the reactive composition has a density greater than approximately 2 g/cm³.

16. (Original) The reactive composition of claim 1, further comprising a second metal material selected from the group consisting of aluminum, nickel, magnesium, silicon, boron, beryllium, zirconium, hafnium, zinc, tungsten, molybdenum, copper, titanium, sulfur, and mixtures thereof.

17. (Original) The reactive composition of claim 16, wherein the second metal material comprises aluminum hydride, magnesium hydride, or a borane compound.

18. (Original) The reactive composition of claim 1, wherein the reactive composition comprises a heterogeneous, granulated mixture of the metal material and the energetic material.

Serial No. 10/801,946

Claims 19 through 53 (canceled).